

I CLAIM

1. A sensor (1) having an identification unit (6) that can be queried electrically through a connecting cable (5), wherein the identification unit (6) is integrated in the sensor (1) in the region of the connecting socket (3) for the connecting cable (5) whereby the identification unit (1) is contacted through a separate pole of the connecting cable (5), on the one hand, and through the cable shield of the connecting cable (5), on the other hand.

2. A sensor according to claim 1, wherein the measuring signal of the sensor (1) lies on a main contact (9) of the connecting socket (3), which is encompassed essentially concentrically by a sleeve-shaped center contact (11) and spaced apart through insulation whereby said center contact (11) is connected to a first contact (7) of the identification unit (1), and whereby the exterior contact (13) is connected to the cable shield of the connecting cable (5), the ground contact of the sensor (1), and the second contact (7) of the identification unit.

3. A sensor according to claim 2, wherein the identification unit (6) is arranged in a lateral recess (15) in the region of the connecting socket (3) between a housing part (16) of the sensor (1) that is connected to the exterior contact (13) and the center contact (11), and whereby said identification unit is pressed against the center contact (11) on the housing side by a biasing conductive spring (17).

4. A sensor according to claim 3, wherein the exterior contact (13) is directly formed by the connection threads (14) of the connecting socket (3) designed on the sensor housing (2).

5. A sensor according to claim 4, wherein the identification unit (6) is formed by a resistor (8) of a defined size having conductive contacts

(7) in the area of its two end surfaces whereby said resistor (8) characterizes the sensor sensitivity.